
APPENDIX C INTERAGENCY WEB CONFERENCE

[REDACTED]

From: [REDACTED]
Sent: Tuesday, July 03, 2018 1:46 PM
To:

Cc: [REDACTED]
Subject: Scoping Interagency Meeting for the Draft SEIS for the Allatoona Lake Water Supply Storage Reallocation Study and Updates to Weiss and Logan Martin Reservoir Project WCMs in the ACT River Basin
Attachments: Federal Register - 30 April 2018 - NOI to Prepare DSEIS for Allatoona Lake WS Storage Reallocation Study & Update to Weiss & Logan Martin in ACT.pdf

Subject: Scoping Interagency Meeting for the Draft SEIS for the Allatoona Lake Water Supply Storage Reallocation Study and Updates to Weiss and Logan Martin Reservoir Project WCMs in the ACT River Basin

To all -

The U.S. Army Corps of Engineers, Mobile District (USACE) will host an interagency scoping meeting on Thursday, July 12, 2018 from 9 am to 12 am (Central Time). The meeting will be held at the USACE, Mobile District's downtown office (109 St. Joseph Street, Mobile, Alabama) in the Planning & Environmental Division Conference Room (3000B) on the third floor. You will have to go through our security and call me at [REDACTED] to be escorted to the conference room. Your agency's participation is requested at this meeting but should you not be able to attend in-person, a webinar is available to join the meeting. I ask that you let me know if you plan to participate in person or by webinar prior to July 12th.

At this interagency scoping meeting, the USACE, Mobile District will discuss its intends to prepare a Supplemental Environmental Impact Statement (SEIS) to evaluate potential changes to the Water Control Manuals (WCMs) for three reservoirs in the Alabama-Coosa- Tallapoosa (ACT) River Basin and to the Master WCM for the ACT River Basin. The USACE intends to conduct a water supply storage reallocation study to evaluate increased water supply usage by the Georgia and Cobb County-Marietta Water Authority (CCMWA) from Allatoona Lake. At the time the Master WCM was finalized in 2015, WCMs for the two Alabama Power Company projects with navigation and flood control storage, Logan Martin and Weiss Reservoir, were not prepared. Those WCMs were to be prepared at a later date. The USACE, Mobile District also intends to update the WCMs for the Alabama Power Company's Weiss and Logan Martin Reservoirs in the ACT River. Additional details are included in the attached Notice of Intent (NOI) published in the Federal Register on 30 April 2018.

WEBINAR INFORMATION:
Toll free: 1-877-336-1274
Caller paid: (404) 443-6386
Access code:
Security code:

Webmeeting:

<https://usace.webex.com/meet/>

Access Code:

The USACE, Mobile District also requests your participation at one or all of its five public scoping meetings to be held during the months of July and August. The dates, venue locations, and times are included below.

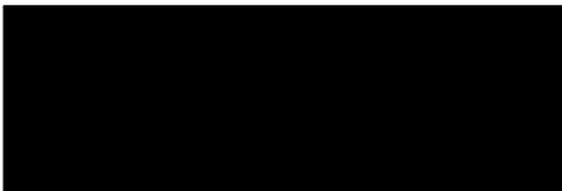
PUBLIC SCOPING MEETINGS:

DATES: The meeting dates and times are:

1. Monday, July 30, 2018, 4–8 p.m. (EDT), Acworth, GA.
2. Tuesday, July 31, 2018, 4–8 p.m. (EDT), Rome, GA.
3. Wednesday, August 1, 2018, 4–8 p.m. (CDT), Gadsden, AL.
4. Thursday, August 2, 2018, 4–8 p.m. (CDT), Childersburg, AL.
5. Friday, August 3, 2018, 4–8 p.m. (CDT), Montgomery, AL.

ADDRESSES: The meeting locations are:

1. Acworth, GA - Cauble Park Beach House, 4425 Beach Street, Acworth, Georgia 30101, (770) 917-1234.
2. Rome, GA – Forum River Civic Center, Berry/Shorter Room, 301 Tribune Street, Rome, Georgia 30161, (706) 291-5281.
3. Gadsden, AL – The Pitman Theater, 629 Broad St, Gadsden, Alabama 35901, (256) 549-4740.
4. Childersburg, AL – Friends on Eighth, 109 8th Ave SW, Childersburg, Alabama 35044, (205) 296-2397.
5. Montgomery, AL - AUM Center for Lifelong Learning, 75 TechnaCenter Drive, Montgomery, AL. 36117, (334) 244-3343.



ALLATOONA LAKE WATER SUPPLY STORAGE REALLOCATION STUDY AND UPDATES TO WEISS AND LOGAN MARTIN RESERVOIRS PROJECT WATER CONTROL MANUALS

Interagency Scoping Meeting
July 12, 2018



"The views, opinions and findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."

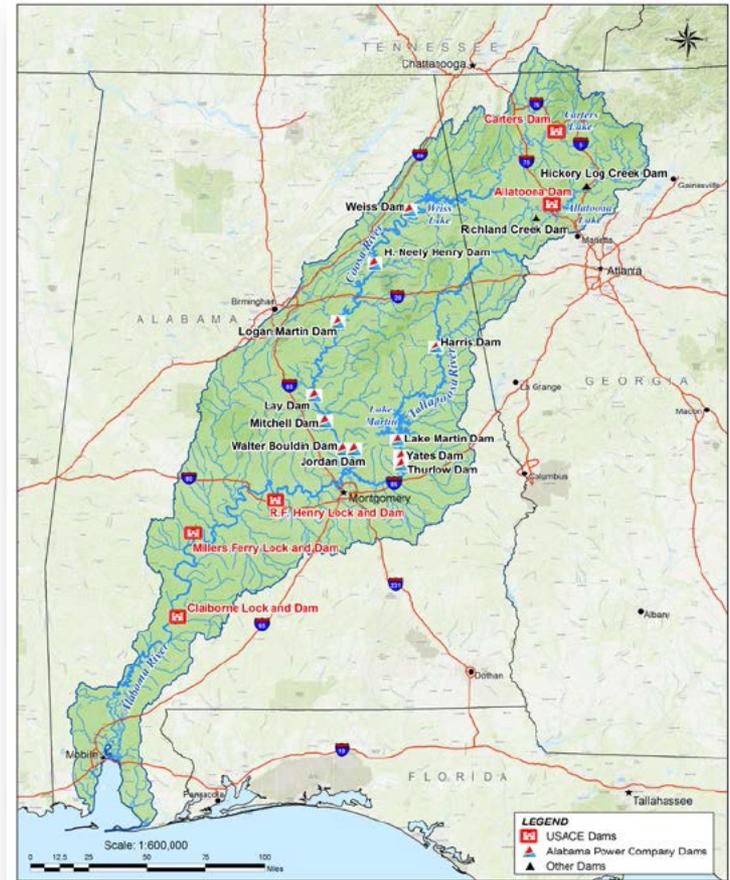


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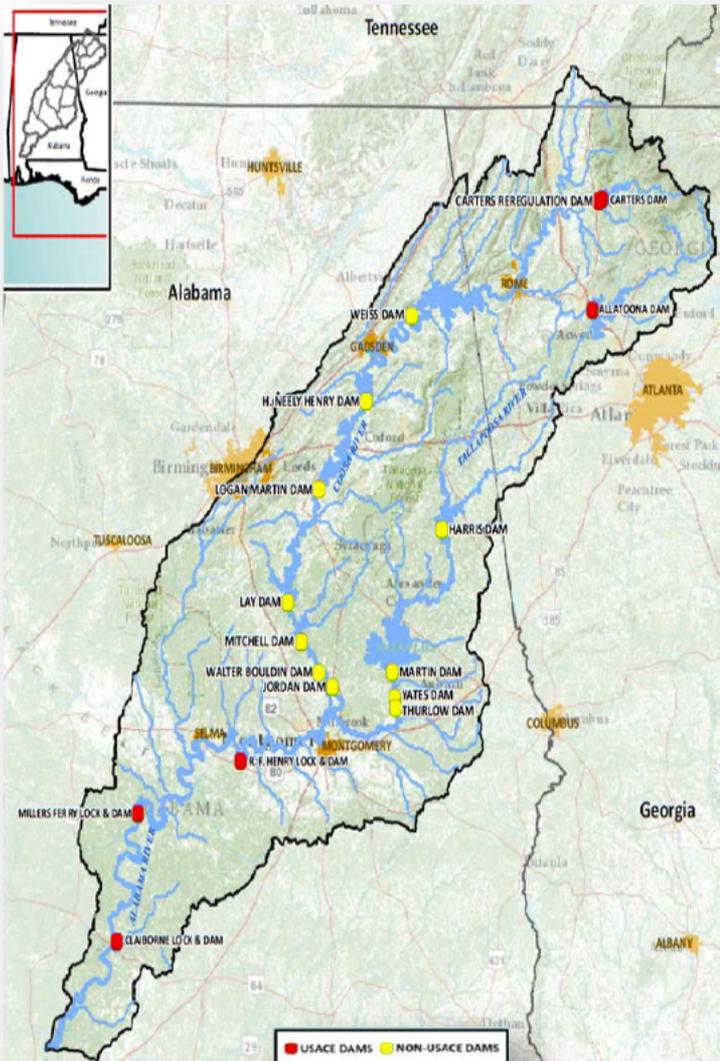


AGENDA

- Provide background on the Alabama-Coosa-Tallapoosa River Basin (ACT) Water Control Manual
- Discuss litigation activities related to ACT Water Control Manual Update and water supply storage reallocation
- Discuss combined Allatoona Lake Water Supply Storage Reallocation Study and Updates to Weiss and Logan Martin Reservoirs Project Water Control Manuals
- Discuss study assumptions and process for water supply and flood operation analyses
- Discuss National Environmental Policy Act (NEPA) Process activities
- Present Next Steps



ACT RIVER BASIN OVERVIEW



ACT BASIN KEY AREAS

1. Hydropower generation at Carters Project
2. Water levels, hydropower and water supply storage in Allatoona Lake
3. United States Army Corps of Engineers (USACE) navigation and flood risk management operational oversight of four Alabama Power Company (APC) projects
4. APC controls 78% of basin storage; USACE controls 22% of basin storage
5. Navigation on the Alabama River
6. Environmental considerations throughout the ACT basin

ACT BASIN SYSTEM WATER CONTROL MANUALS

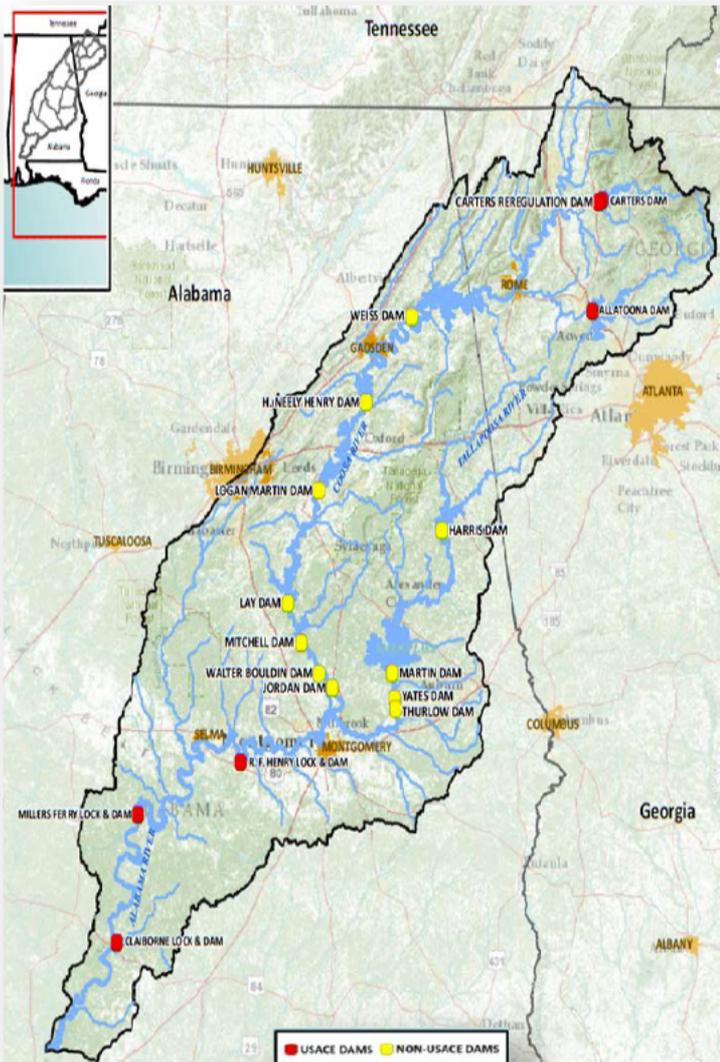
- ✓ Initiates drought operations sooner thru revised action zones (improves system balancing)
- ✓ Establishes year round navigation
- ✓ Provides seasonal minimum flows at Carters Project for aquatic environment
- ✓ Accommodates current contracted amounts of water supply storage at Carters Project and Allatoona Lake
- ✓ Hydropower schedule modifications for greater flexibility



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ACT RIVER BASIN OVERVIEW



NOT ADDRESSED IN ACT BASIN SYSTEM WATER CONTROL MANUALS

- ✓ State of Georgia's water supply request from Allatoona Lake
- ✓ Disagreements regarding storage accounting at Allatoona Lake
- ✓ Georgia's Hickory Log Creek Reservoir flow through conveyance proposal
- ✓ Weiss and Logan Martin Reservoirs modifications to flood operations
- ✓ Higher winter pool levels at Weiss and Logan Martin Reservoirs

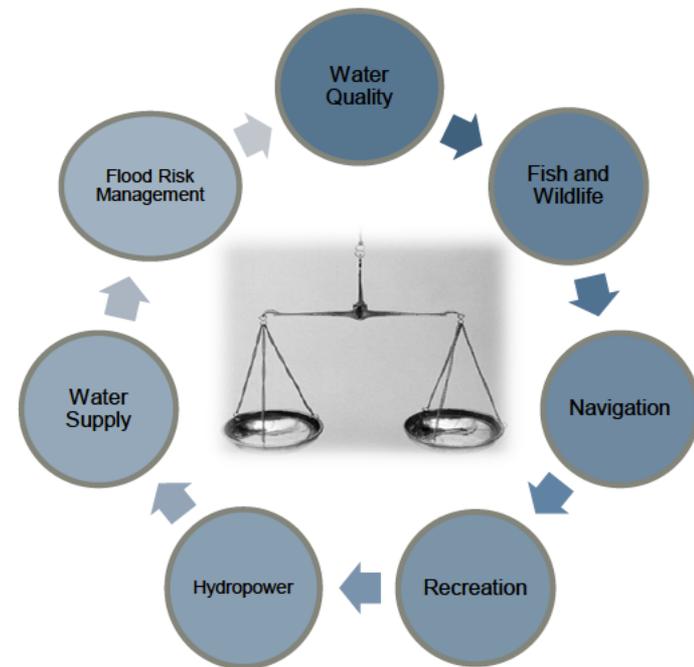


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Southeastern Water Disputes

- Longstanding, 25+ year controversy between Alabama, Georgia and Florida over water in the ACT and Apalachicola-Chattahoochee-Flint (ACF) River Basins
- Concerns over USACE authority and operations Congressionally authorized purposes (hydropower, water supply, navigation, recreation, fish and wildlife, flood risk management, water quality)
- Previous efforts to study and resolve:
 - 1989 - Efforts to update manuals
 - 1992 - Congressionally authorized comprehensive study
 - 1998 - Congressionally approved ACT/ACF Compact
 - 2006 - U.S. District Court for the Northern District of Alabama ordered mediation
 - 2007 - Secretary of the Army Pete Geren directed ACT Manual update
 - 2008 - Administration led mediation
 - 2015 - ACT manuals approved; litigation immediately ensued



Authorized Project Purposes



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ACT River Basin Court Order

Court ruled in USACE favor on 3 of 4 counts; the 4th count, the court ruled:

Unreasonable Delay: Failure to act upon the request(s) for additional water storage at Allatoona within a reasonable period of time.

Northern District of Georgia January 9, 2018 Order in Georgia et. Al. v. USACE:

- State of Georgia, Cobb County Marietta Water Authority and Atlanta Regional Commission
- “...As directed by the Court, the Parties have reached agreement and submitted...the schedule for the Federal Defendants to evaluate the Georgia Parties’ request and issue a decision...Defendants are ordered to take final action on the Georgia Parties’ request...”



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PURPOSE AND NEED

Purpose:

- Evaluate the 2018 water supply request from the State of Georgia seeking to reallocate water storage in Allatoona Lake
- Evaluate proposed revisions to operations at two Alabama Power Company projects: Weiss and Logan Martin
- Update any water control manuals, as necessary, as a result of changes in operations

Need:

- Respond to the State of Georgia's request for water supply by March 1, 2021 pursuant to the Northern District of Georgia's January 9, 2018 Order
- Produce a Feasibility Report* with an Integrated Supplemental Environmental Impact Statement (SEIS) addressing water supply storage and flood operations
- Produce updated project water control manuals as required by regulation
- Produce an updated Memorandum of Agreement for Alabama Power Company Projects

*Though not required to meet all requirements of a cost-shared feasibility study, this study utilizes aspects of the SMART Planning Feasibility Study Process Framework



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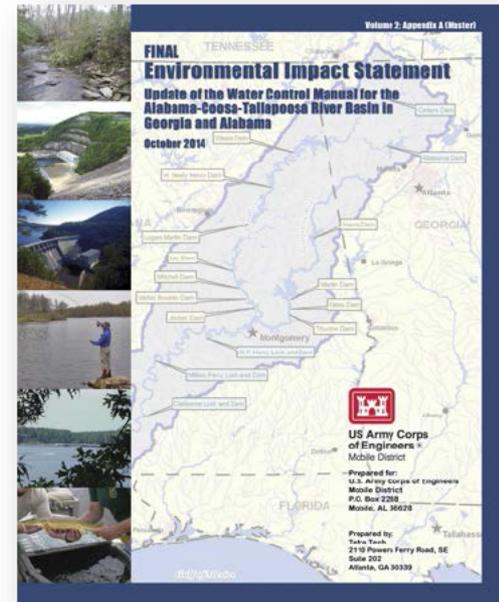
WHAT IS SCOPING?

- *Scoping* is an opportunity to identify the *scope and significance of environmental concerns* that should be considered and evaluated
 - Who is encouraged to participate in Scoping?
 - ❑ General public
 - ❑ Federal, State, and Local Agencies
 - ❑ Any interested individual or organization
 - Identify existing valuable sources of data, studies, or tools that could provide additional understanding
 - Identify and screen out insignificant issues
 - Identify State and local requirements
 - Identify Federal and State environmental resource agencies



WHAT IS A SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT?

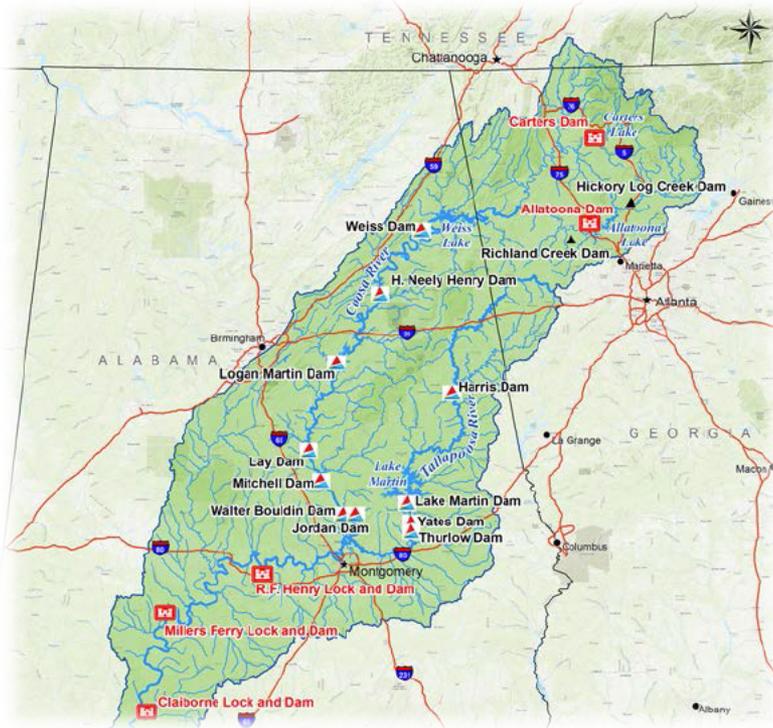
- The Supplemental Environmental Impact Statement (SEIS) will:
 - “Supplement” the existing *Final Environmental Impact Statement (EIS) Update of the Water Control Manual for the Alabama-Coosa-Tallapoosa River Basin in Georgia and Alabama* (October 2014)
 - Consider additional environmental impacts in the natural environment or communities based upon a water supply storage reallocation at Allatoona Lake and a flood operation analysis at Alabama Power Company’s Weiss and Logan Martin Reservoirs
 - Include an analysis of effects of the proposed action(s) and alternatives on: natural resources (water, air and wildlife), cultural resources, land use, recreation, aesthetics, and socioeconomic impacts
 - Include a description of the baseline conditions of the affected environment against which effects of the proposed action are evaluated



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SCOPING AND STUDY ASSUMPTIONS



Allatoona Lake, Weiss and Logan Martin Reservoirs

Water Supply Storage Reallocation Study, Flood Operation Analysis and Water Control Manual Updates

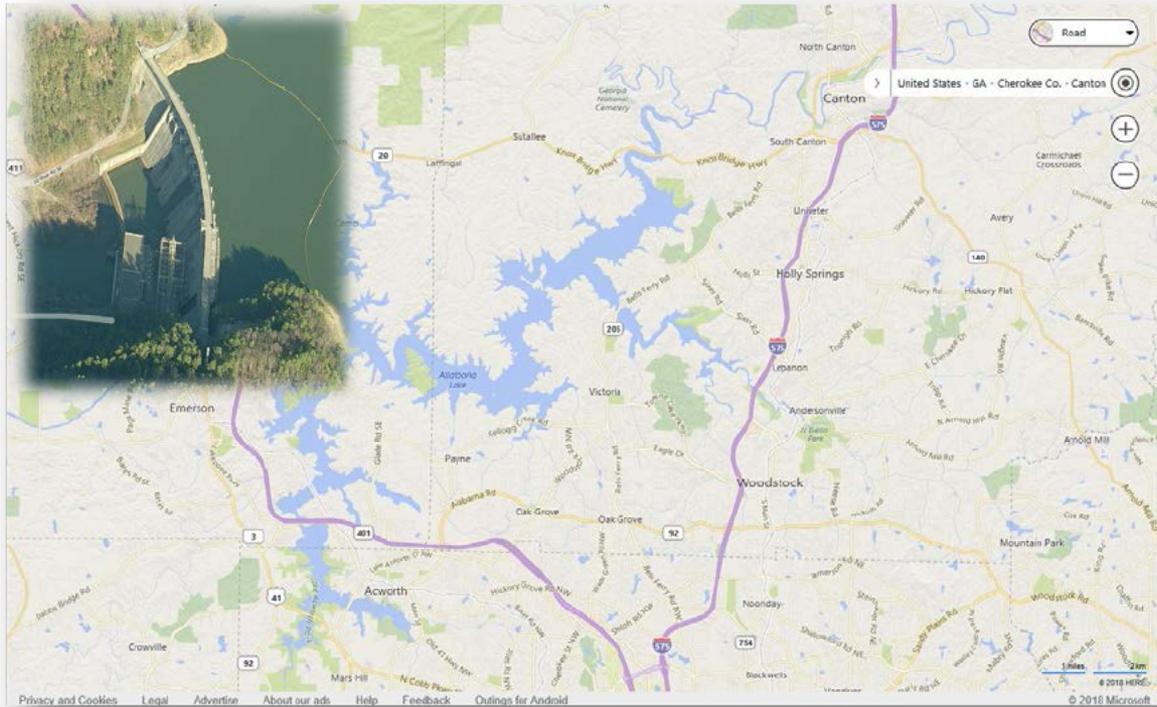
- Combined effort into one document with an Integrated Supplemental Environmental Impact Statement
- Consistent with litigation/court ordered guidance
- Shared Project Delivery Team resources
- Most efficient use of Federal funds or contributed funds, if available
- Utilize aspects of USACE SMART Planning Feasibility Study Process



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ALLATOONA LAKE WATER SUPPLY REALLOCATION



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WATER SUPPLY STORAGE REALLOCATION CONSIDERATIONS

What is Municipal & Industrial (M&I) Water Supply?

- Water that is provided for consumption by residential, commercial, institutional and industrial users

Who are M&I water supply users?

- Residential – includes single and multi-family residential
- Commercial and Industrial- retail, restaurants, manufacturing plants, agricultural plants (processing plants), etc
- Institutional – schools, universities, and hospitals
- Other – public water needs (fire fighting and street cleaning)

What is a Water Supply Storage Reallocation Study?

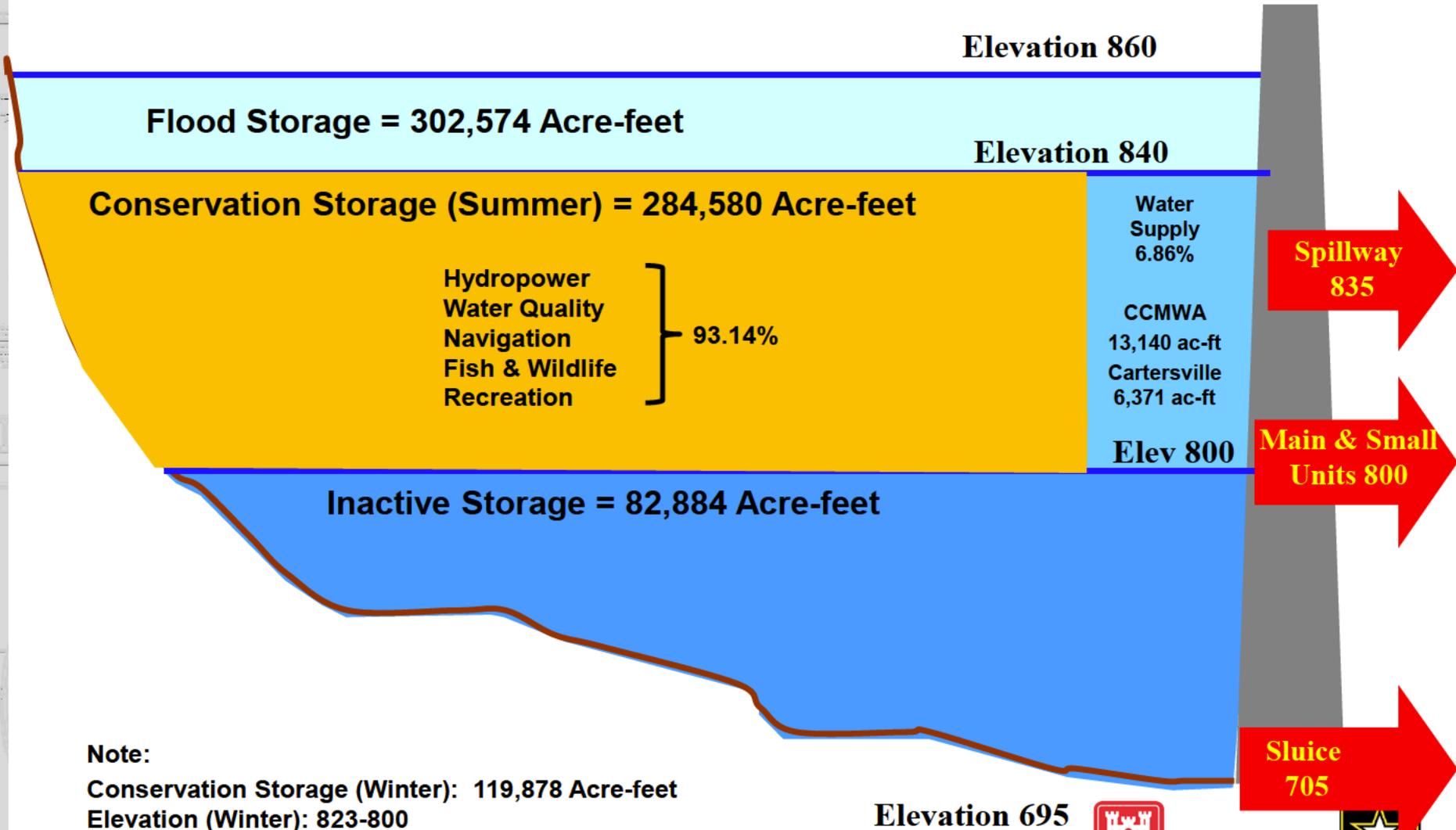
- A document that evaluates various water supply measures to reallocate storage under the authority of the 1958 Water Supply Act
- Addresses a water supply request
- Identifies the most likely- least costly water supply alternative compared to reallocation out of the reservoir
- Provides a tentative recommendation for reallocation in terms of quantity and cost



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ALLATOONA LAKE STORAGE ALLOCATION



Note:

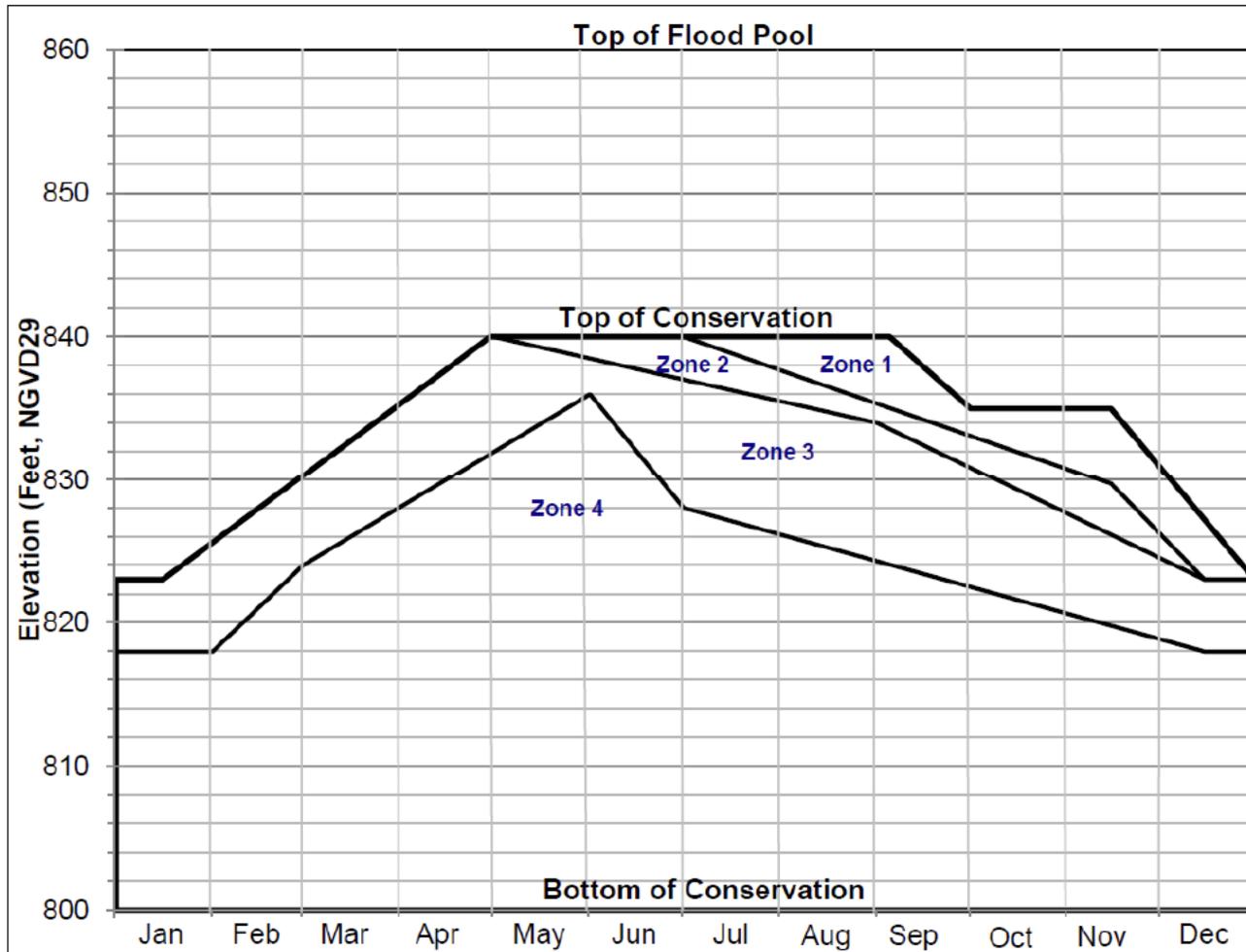
Conservation Storage (Winter): 119,878 Acre-feet
Elevation (Winter): 823-800



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ALLATOONA LAKE GUIDE CURVE



STATE OF GEORGIA'S UPDATED WATER SUPPLY REQUEST

- Received March 30, 2018
- 2050 Water Supply need from Allatoona Lake is 94 Million Gallons Per Day (MGD) – including current water supply contract amounts:
 - 57 MGD for Cobb County Marietta Water Authority
 - 37 MGD for City of Cartersville



Cartersville Intake



CCMWA Intake



Hickory Log Creek Reservoir

- Assumes full credit for Hickory Log Creek Reservoir releases
- Requests that USACE consider:
 - Alternative storage accounting methodology
 - Utilization of pass through conveyance
 - Providing full credit for return flows



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WEISS AND LOGAN MARTIN RESERVOIRS FLOOD OPERATION ANALYSIS AND WATER CONTROL MANUAL UPDATES



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WEISS AND LOGAN MARTIN RESERVOIRS

USACE

- Has oversight of four Alabama Power Company (APC) projects for the authorized purposes of Navigation and Flood Risk Management:
 - Harris Dam (WCM updated in 2015)
 - H. Neely Henry Dam (WCM updated in 2015)
 - Logan Martin Dam (WCM update required)
 - Weiss Dam (WCM update required)

Alabama Power Company

- Proposes to lower top of flood control level at Weiss and Logan Martin projects
- Proposes to raise winter level at Weiss and Logan Martin projects
- Current reservoir easements at Weiss and Logan Martin are below required maximum surcharge elevations

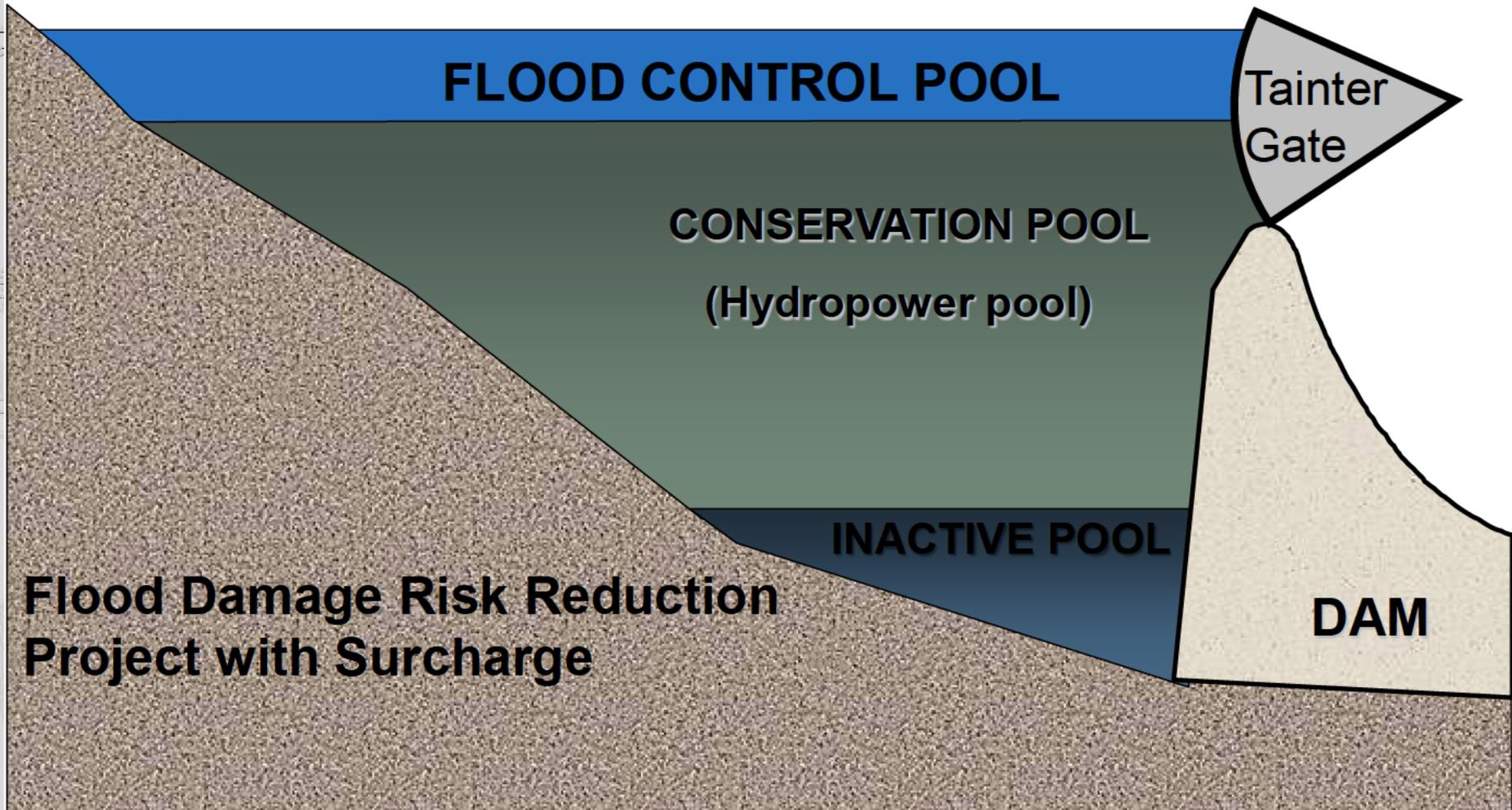


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TYPICAL INDUCED SURCHARGE OPERATION GATES IN CLOSED POSITION

Flood Easement Elevation



**Flood Damage Risk Reduction
Project with Surcharge**

TYPICAL INDUCED SURCHARGE OPERATION GATES IN OPEN POSITION

Flood Easement

INDUCED SURCHARGE POOL

FLOOD CONTROL POOL

**CONSERVATION POOL
(Hydropower pool)**

INACTIVE POOL

Tainter
Gate

Flood Releases

DAM

**Flood Damage Risk Reduction
Project with Surcharge**

ALABAMA POWER COMPANY PROPOSED CHANGES

Weiss Proposal

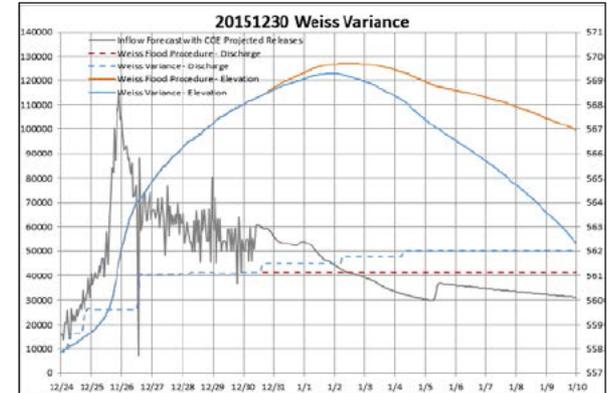
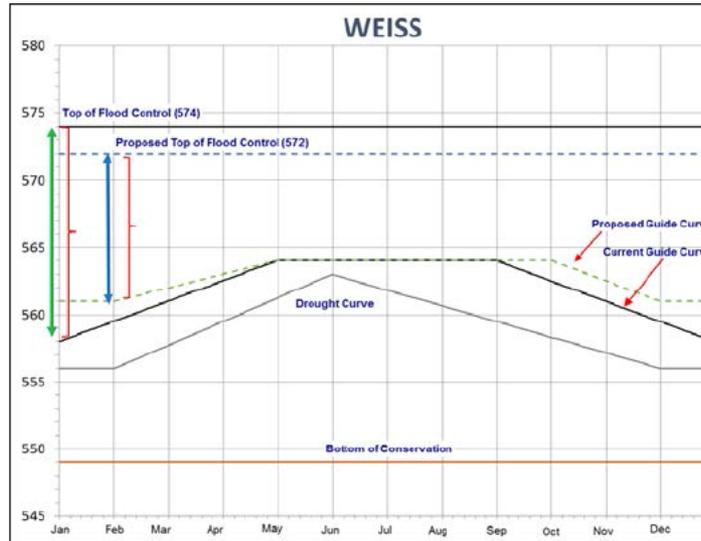
1. Raise Winter Level from **558 to 561**
2. Lower Top of Flood Control from **574 to 572**
3. Results in 30% reduction in Winter Flood Control Storage
4. Results in 24% reduction in Summer Flood Control Storage
5. During Surcharge Operation, increase releases at same reservoir elevations



Weiss Dam



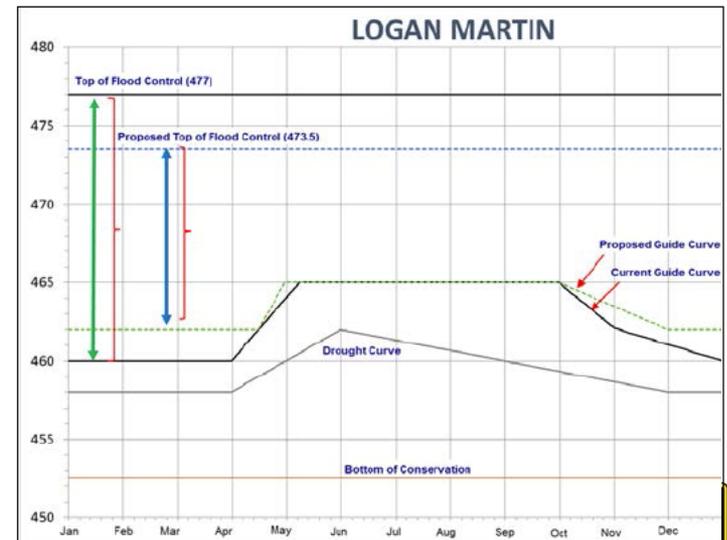
Logan Martin Dam



Example

Logan Martin Proposal

1. Raise Winter Level from **460 to 462**
2. Lower Top of Flood Control from **477 to 473.5**
3. Results in 35% reduction in Winter Flood Control Storage
4. Results in 35% reduction in Summer Flood Control Storage
5. During Surcharge Operation, increase releases at same reservoir elevations



TYPICAL INDUCED SURCHARGE OPERATION GATES IN OPEN POSITION

Flood Easement

INDUCED SURCHARGE POOL

FLOOD CONTROL POOL

**CONSERVATION POOL
(Hydropower pool)**

INACTIVE POOL

Tainter
Gate

Flood Releases

DAM

**Flood Damage Risk Reduction
Project with Surcharge**

INDUCED SURCHARGE OPERATION WITH LOWER EASEMENT GATES IN OPEN POSITION

Lower Flood Easement

INDUCED SURCHARGE POOL

FLOOD CONTROL POOL

**CONSERVATION POOL
(Hydropower pool)**

INACTIVE POOL

Tainter Gate

Flood Releases

DAM

**Flood Damage Risk Reduction
Project with Surcharge**

INDUCED FLOOD STORAGE



Gates are raised to increase the lake storage and elevation

Releases are increased as the gates are raised

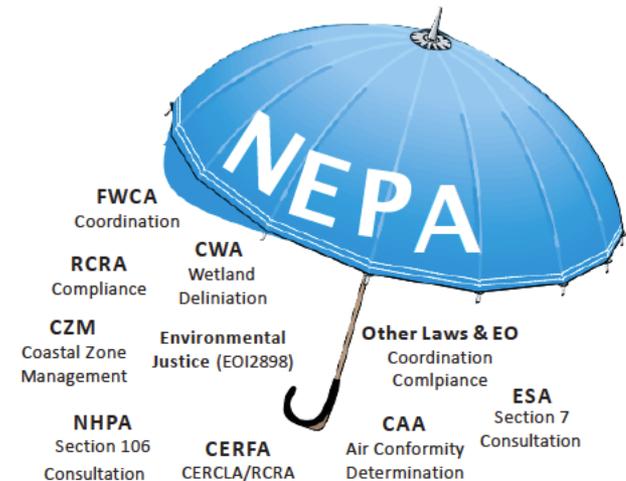


PLAN FORMULATION AND NATIONAL ENVIRONMENTAL POLICY ACT PROCESS



SMART planning is:

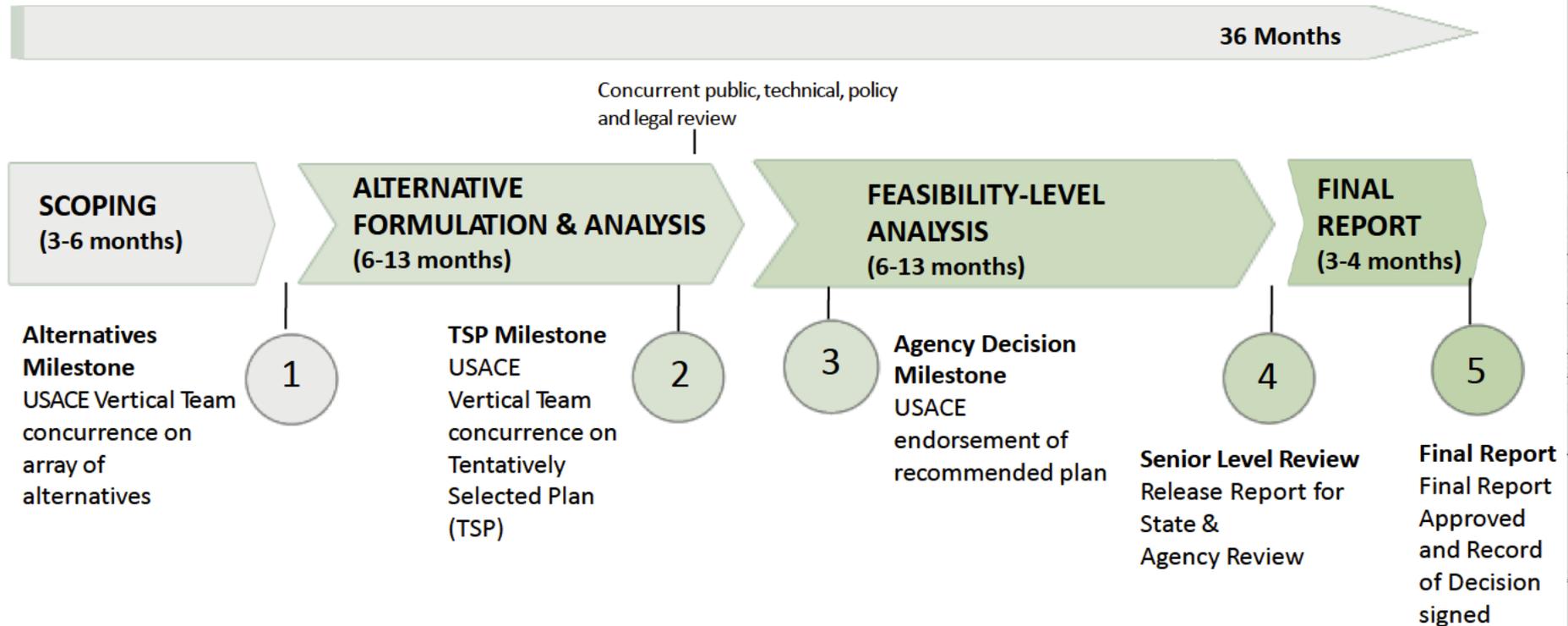
- S: Specific**
- M: Measurable**
- A: Attainable**
- R: Risk Informed**
- T: Timely**



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SMART PLANNING FEASIBILITY STUDY MILESTONES*



*Though not required to meet all requirements of a cost-shared feasibility study, this study utilizes aspects of the SMART Planning Feasibility Study Process Framework



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SUMMARY OF CURRENT OPERATIONS

- **Alabama Power Company (APC):** Projects operate pursuant to the current operations, current approved USACE WCMs at APC projects, and the current approved ACT Master WCM
- **Guide Curves:** Operated using existing guide curves. Includes Allatoona fall stepdown and higher winter level at H. Neely Henry
- **Action Zones:** Operated using existing action zones: Allatoona (Zone 4), Carters (Zone 2)
- **Drought Operations:** Defined drought intensity levels and associated drought triggers, dam releases/flow targets provide for reduced levels of service
- **Navigation:** Seasonal navigation releases to support commercial navigation (9.0-ft or 7.5-ft channel depth), provided sufficient basin inflow above the APC projects is available



SUMMARY OF CURRENT OPERATIONS, CONT.

- **Minimum Flows:**
 - Allatoona Lake provides for a 240-cfs minimum flow
 - Carters Project
 - ❖ Zone 1 - minimum flow releases equal to the seasonal minimum flow based on the mean monthly flow upstream of Carters
 - ❖ Zone 2 - minimum flow releases would be 240 cfs
- **Hydropower:** Typical hydropower peaking hours vary by action zone
- **Water Supply Storage:** 19,511 acre-feet allocated to water supply storage agreements
- **Fish & Wildlife**
 - Seasonal minimum flow when Carters Project is in Zone 1



IDENTIFIED PROBLEMS AND OPPORTUNITIES

PROBLEMS

- Exceedence of existing storage contracts at Allatoona Lake
- Meeting current and future M&I water supply needs for the State of Georgia
- Operation of Hickory Log Creek Reservoir for water supply at Allatoona Lake
- Current reservoir easements at Weiss and Logan Martin below required maximum surcharge elevations
- Potential flooding downstream of Alabama Power Company (APC) projects
- Discrepancy of storage area at APC projects
- No updated Memorandum of Agreement (MOA) for APC projects

OPPORTUNITIES

- Address future water supply needs for the State of Georgia
- Ensure consistency of operations and property acquisitions at APC projects
- Update WCMs for USACE and APC Projects
- Sign updated MOA with APC



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NEPA BASELINE AND FUTURE WITHOUT PROJECT CONDITION

Baseline Condition

- 2015 ACT Water Control Manual
- Logan Martin / Weiss operating under current operations
- 1939-2012 hydrology time series
- Hickory Log Creek and Richland Creek Reservoirs
- Current water demand (up to limits of available storage)

Future Without Project Condition

- 2015 ACT Water Control Manual
- Logan Martin / Weiss operating under current operations
- Includes Climate Change Analysis
- Hickory Log Creek and Richland Creek Reservoirs
- Current water demand (up to limits of available storage)



PRELIMINARY IDENTIFIED MEASURES

Water Supply at Allatoona Lake

- Conservation
- Groundwater
- Desalination and pumping to service areas
- Other existing surface water sources
- Reallocation from Allatoona Lake flood storage pool
- Reallocation for Allatoona Lake inactive storage
- Reallocation from Allatoona Lake conservation storage
- Hickory Log Creek Reservoir
- Other new reservoir construction

Flood Operations at APC Projects

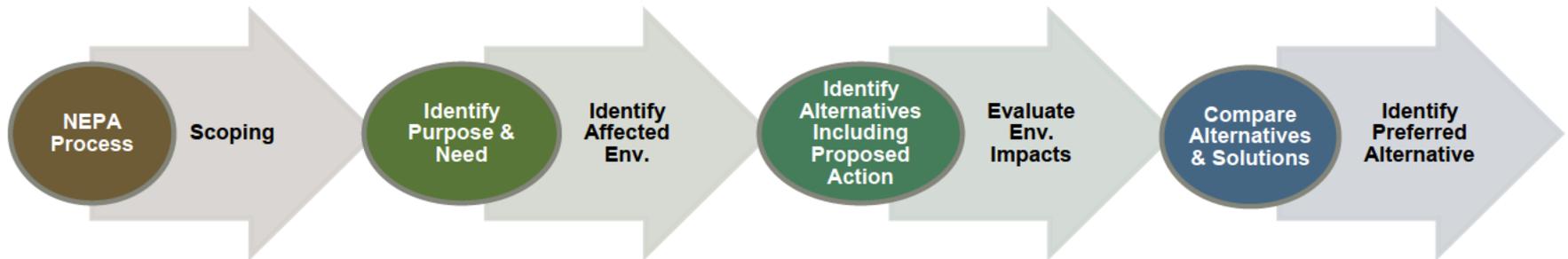
- Raise winter pool levels
- Lower top of flood pool levels
- Modify induced surcharge Operations
- Acquire additional property interests



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MAJOR NEPA MILESTONES



Opportunities for public involvement in the feasibility study* and integrated SEIS process:

- Public Scoping Meetings (2018)
- Public Review of Draft SEIS (2019)
- State and Agency Review of Final SEIS (2020)

*Though not required to meet all requirements of a cost-shared feasibility study, this study utilizes aspects of the SMART Planning Feasibility Study Process Framework



ENVIRONMENTAL CONSIDERATIONS

Water Resources

- Historical, Present & Future Water Quantity Needs
- Water Quality
- Surface Water Reservoirs
- Groundwater



Authorized Purposes in ACT Basin

- Flood Risk Management
- Navigation
- Recreation
- Water Supply
- Water Quality
- Fish and Wildlife Conservation
- Hydropower

Natural and Biological Resources

- Terrestrial & Wetland Vegetation
- Fish & Aquatic Resources
- Wildlife
- Threatened & Endangered Species
- Cultural Resources
- Air Quality
- Land Use



Socioeconomic Resources

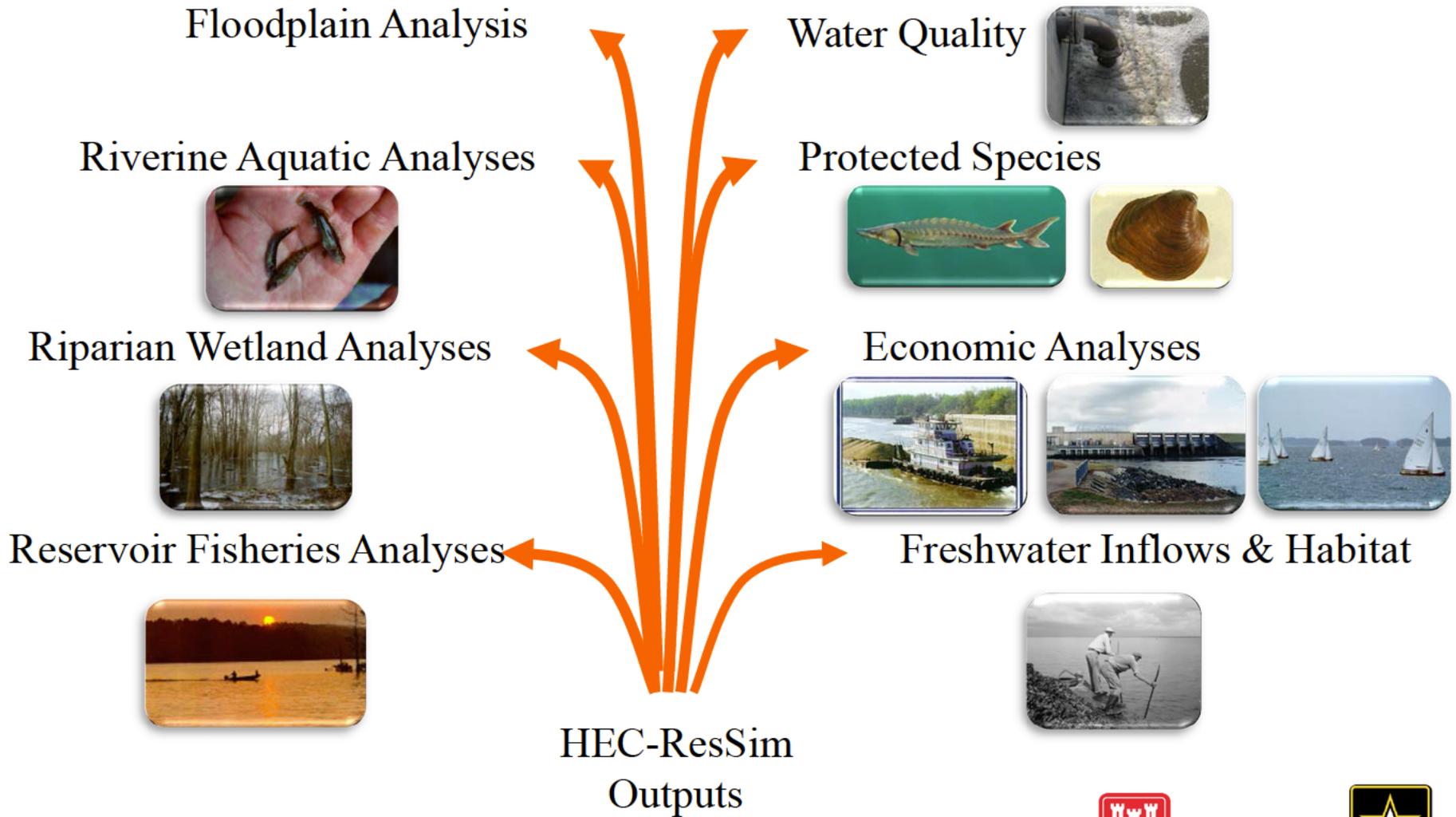
- Flood Risk Management Concerns
- Environmental Justice & Protection of Children
- Population



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RESERVOIR MODELING AND ANALYSIS



WATER CONTROL MANUALS/PLANS

- The operations at each federal reservoir managed by USACE are described and documented in water control manuals.
- An individual manual for each project is prepared as an appendix to the master manual.
- Water control manuals include:
 - Coordinated regulation schedules for project/system regulation
 - Procedures to collect, analyze, and disseminate data
 - Detailed operating instructions
 - Procedures to ensure project safety
- Operations are designed to achieve all authorized purposes of the project.
- The water control manual defines 'normal operation' as well as drought and flood operations and is broad enough to incorporate operational flexibility.
- Temporary deviations from the water control plans might be requested when necessary to alleviate critical or unusual situations without significantly affecting authorized purposes.



PUBLIC SCOPING MEETINGS

- Five Locations (July 30 - Aug 3, 2018)
 - Acworth, GA (4-8 pm, Cauble Park Beach House – Acworth Beach)
 - Rome, GA (4-8 pm, The Forum River Civic Center)
 - Gadsden, AL (4-8 pm, The Pitman Theater)
 - Childersburg, AL (4-8 pm, Friends on Eighth)
 - Montgomery, AL (4-8 pm, Auburn University-Montgomery Center for Lifelong Learning)
- Open House Format
- Information stations with Subject Matter Experts from USACE
- Multiple ways for the public to submit comments:
 - ❖ Hardcopy forms (onsite)
 - ❖ Electronic mail – ACT-ACR@usace.army.mil
 - ❖ U.S. Postal Service – addressed to USACE Mobile District Commander
 - ❖ Court Reporter (onsite)



QUESTIONS?



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